JVC Television

MODEL 7798ME SCHEMA

ICE

e voltage reading and waveform were measured at each point with a multi-ter and an oscilloscope while receiving a color-bar signal (0.825Vp-p from of sync. signal to white peak, percentage modulation 85%) with a sufficient sitivity.

sured in ( ) are the voltage readings while receiving a B/W signal.

e measurements were made each VR under the condition just after the ship-nt. The figures of the signal circuits may be more or less different after adjust-nts, so use the figures simply for reference.

Multimeter used
DC20kΩ/V

Given figures are all DC voltages.
Sweep speed of oscilloscope
H → 20μS/div.
V → 5mS/div.
Others → sweep speed specified

KILLER ADJ. VR is provided because LLER ADJ. is fixed.

ice the circuit diagram is a standard one, circuit and circuit constants may be bject to change for improvement without notice.

matic notes

SS OTHERWISE SPECIFIED
sistance : [Ω] (K→KΩ, M→MΩ), 1/4[W] carbon resistor
pacitance: 1 or higher →[pF], less than 1 →[μF], working voltage→50[V], ceramic capacitor
ductance : [μH]
TROLYTIC CAP.:capacitance value [μF]/ working voltage [V], NP→non-polar (or bipolar) electrolytic cap.
to the parts list in the SERVICE MANUAL t the detailed indications of parts.
mbols indicate test point connections.
dicates chasses ground. Hz indicates cycles r second.

TS NO. LIST ADED PARTS IN THE HEMATIC DIAGRAM)

n No.	Parts No.	Parts Name
1093A (Signal PCB Ass'y)		
1909	ORV142F-2561	CMF Resistor
1913	A75006	Positor
1916	ORV122F-3902	CMF Resistor
R1501	ORH124K-101	Fusible Resistor
R1901	ORH124K-221	"
1904	QCZ8001-472	C Capacitor
1905	QCF12HP-103	"
1902	HZ-7AGH	Zener Diode
1903~6	U05-E	Si. Diode
901	QMF51A2-R80	Fuse (0.8A)
095A (Deflection PCB Ass'y)		
2203	ORV142F-1182	CMF Resistor
2401	ORV122F-3902	"
2402	ORV142F-9101	"
2213	QFZ0060-103	PP Capacitor
2101	ORH124K-150	Fusible Resistor
2202	A29705-B	HV Transformer
2401	RD20EV3	Zener Diode
2403	HZ-7	"
030A (CRT Socket PCB Ass'y)		
	A75355	CRT Socket
313A (Program Selector PCB Ass'y)		
01	QRZ0039-685	Comp. Resistor
02,04,06	QRC121K-685	"
10,11,13, 15,17		
SIDE TNE PCB Ass'y		
01	510NSB22(Y)(E) or 510NHB22(E)	Picture Tube
01,02	C30010-A	Degausting Coil
V01	A29662-VM or A29662-VK	Deflection Yoke
	QMP4018-200	Power Cord
01	C39249-A	Power Transformer
M01	A19170-A	HV Module
02	A30724-D	S O Trantformer
01	QMF51A2-1R6	Fuse (1.6A)
02	QMF51A2-3R15	" (3.15A)
	A27375-BV0	Ant. Terminal
01	QCZ0101-005	C Capacitor
V01	AX49133	Picture & Power Switch
V02	QSR0074-009	Rotary Switch

CKPOINT OF B1 VOLTAGE

Checking is possible at the position shown in Fig. A. (Refer to the MAIN ADJUSTMENTS LOCATION for the position of the B1 ADJ. VR.
Check or adjust B1 voltage under the item "Adjustment of B1 voltage".

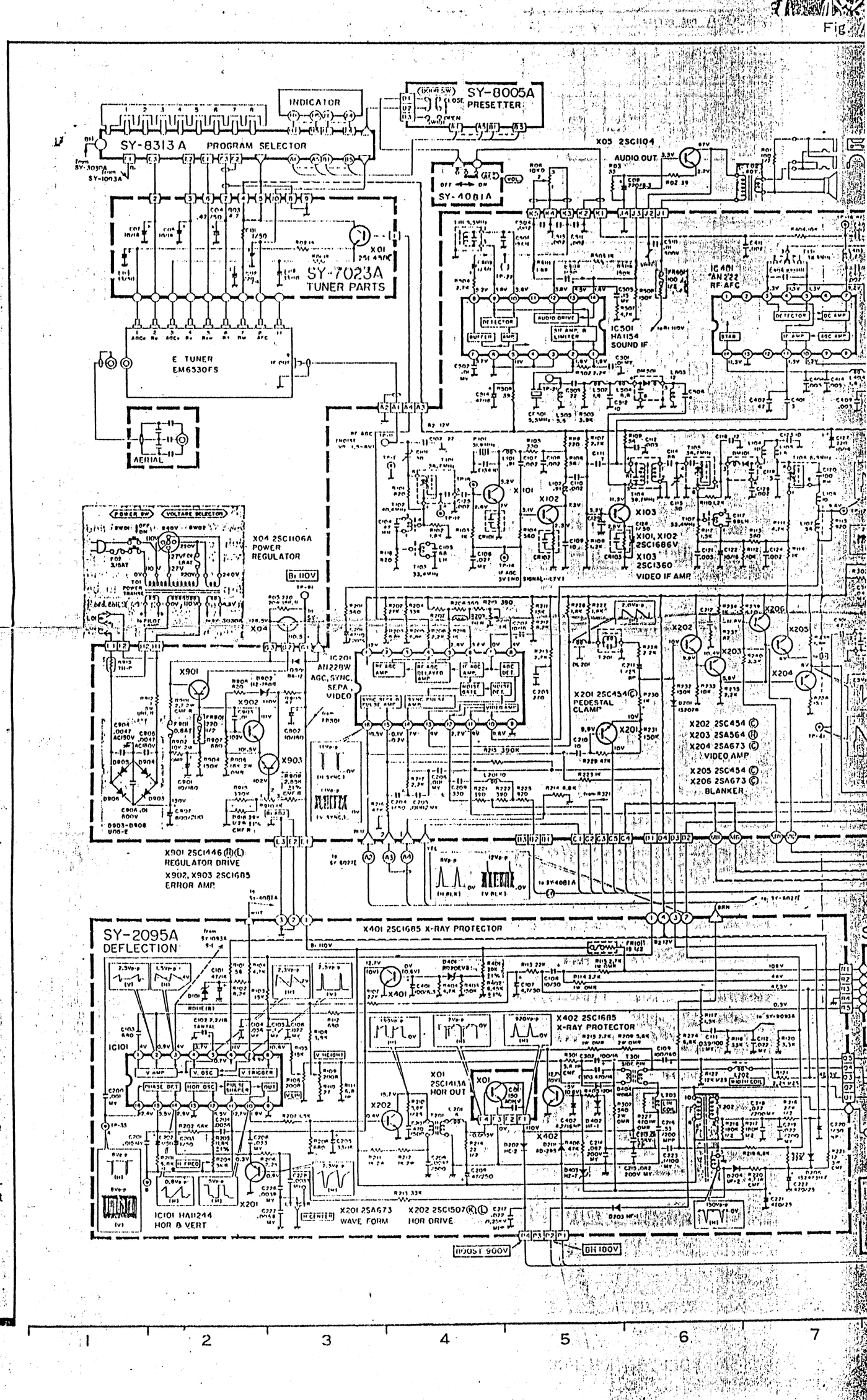
stment of B1 voltage

ting B1 voltage, use an accurate volt-. Should B1 control be set too high, it ause possible damage of components.
a simple voltmeter, it must be calibrated.

For safety and continued good performance
- FR is an abbreviation of Fusible Resistor ( ), and operates as Fuse. Replacing Fuse, FR and shaded ( ) parts, be sure to use parts specified for safety purposes.
- For maximum reliability and performance, all other replacement parts should be identical to those specified.

CHECKPOINT(TP-9

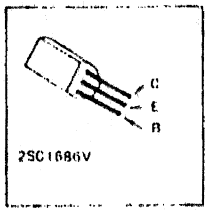
Fig. A

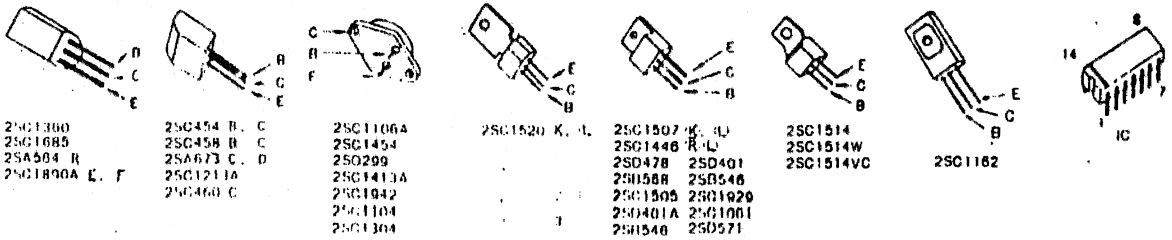


IATIC DIAGRAM

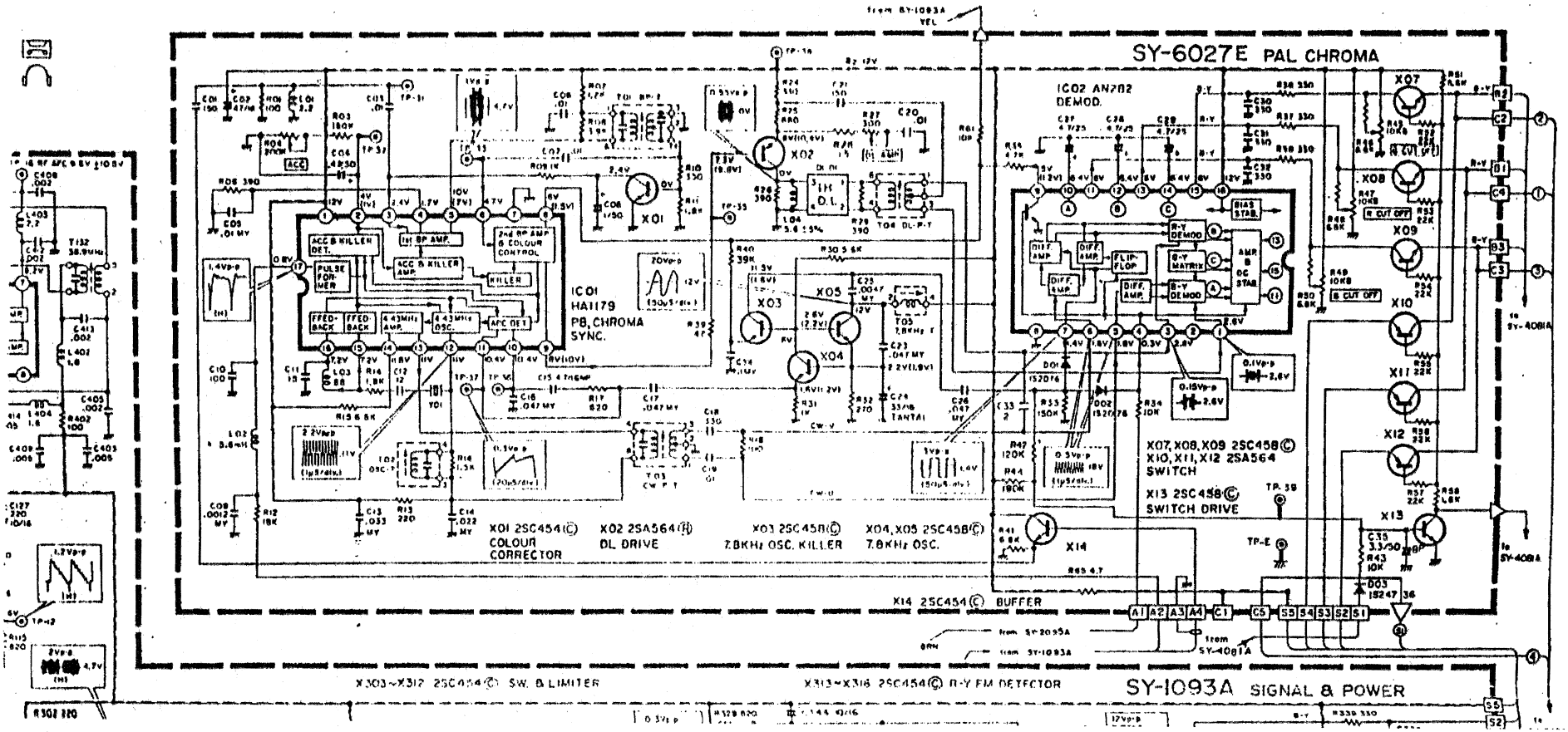
>-91) OF B₁ (110V)

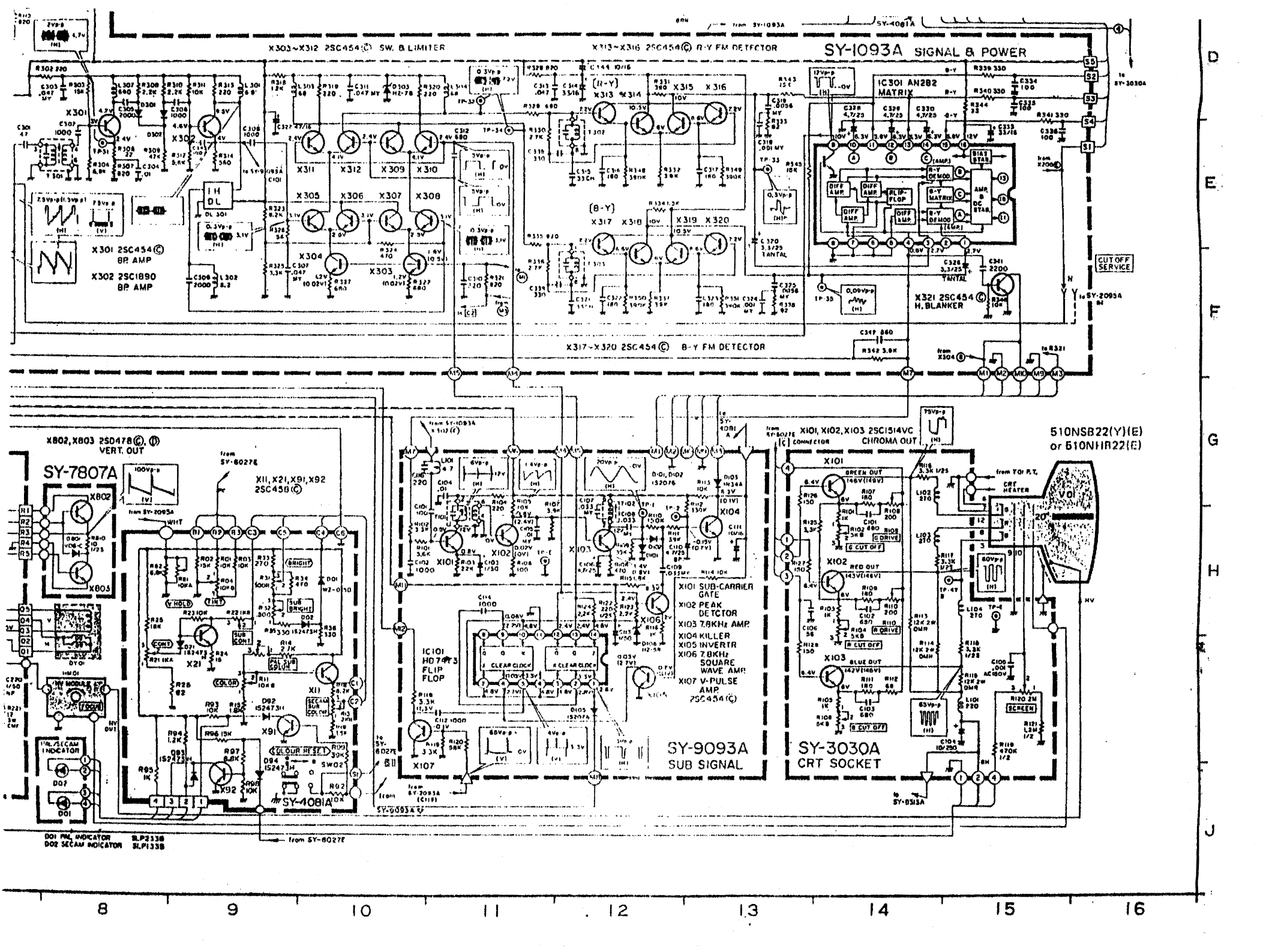
BASINGS OF TRANSISTORS AND ICs





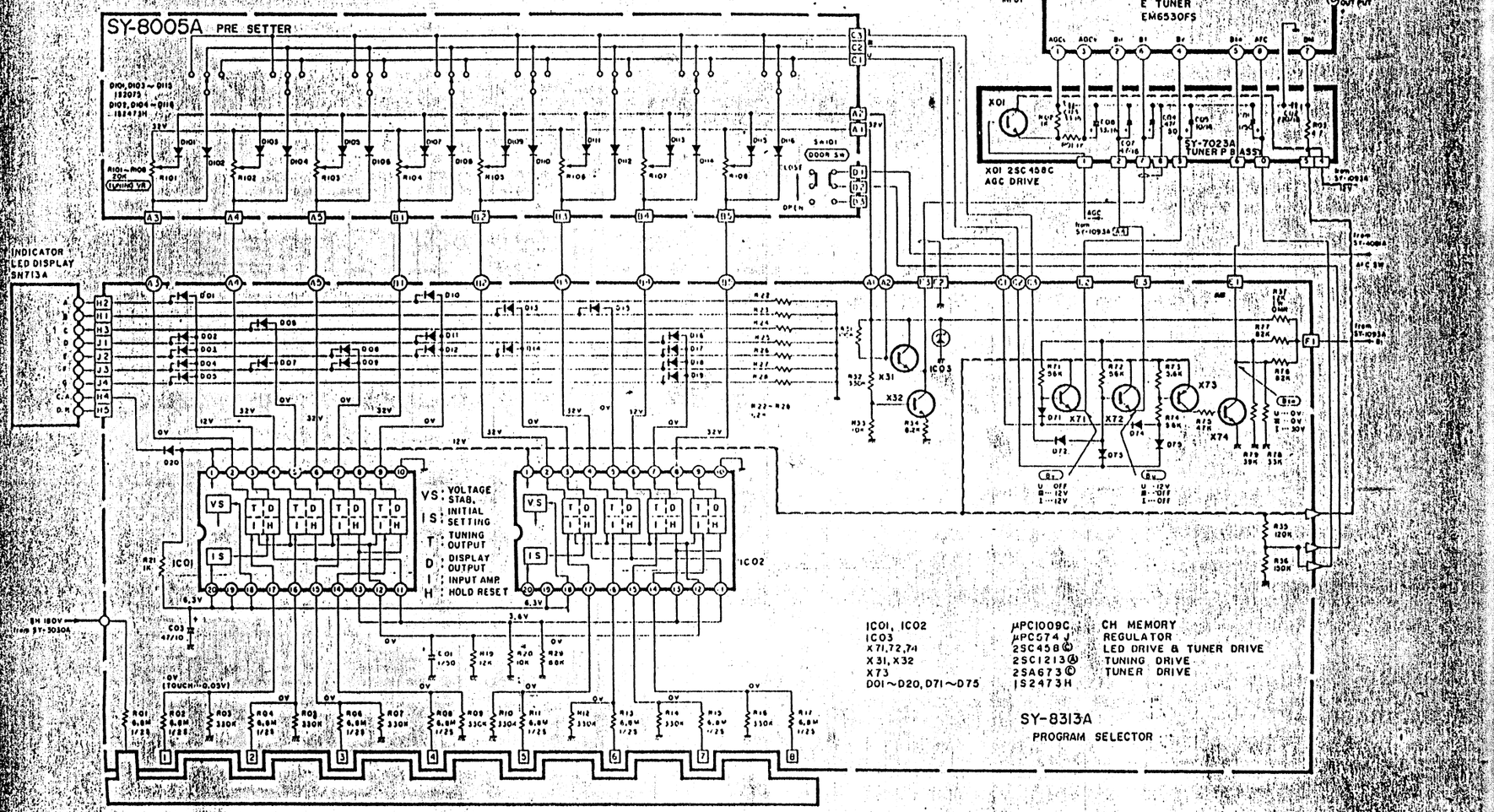
A.


SY-6027E PAL CHROMA
IC02 AN702 DEMOD.
IC01 HA1179 PB, CHROMA SYNC.
X01 2SC454(C) COLOUR CORRECTOR
X02 2SA564(B) DL DRIVE
X03 2SC458(C) 7.8KHz OSC. KILLER
X04, X05 2SC458(C) 7.8KHz OSC.
X07, X08, X09 2SC458(C)
X10, X11, X12 2SA564 SWITCH
X13 2SC458(C) SWITCH DRIVE
X14 2SC454(C) BUFFER
X303~X312 2SC454(C) SW. & LIMITER
X313~X316 2SC454(C) R-Y FM DETECTOR
SY-1093A SIGNAL & POWER


SY-1093A SIGNAL & POWER
X303~X312 2SC454© SW. & LIMITER
X313~X316 2SC454© R-Y FM DETECTOR
X317~X320 2SC454© B-Y FM DETECTOR
IC301 AN282 MATRIX
X301 2SC454© BP AMP
X302 2SC1890 BP AMP
X321 2SC454© H. BLANKER
CUT OFF SERVICE
SY-7807A
X802, X803 2SD478©, ⓕ VERT. OUT
X11, X21, X91, X92 2SC458©
SY-4081A
SY-9093A SUB SIGNAL
X101 SUB-CARRIER GATE
X102 PEAK DETCTOR
X103 7.8KHz AMP
X104 KILLER
X105 INVERTR
X106 7.8KHz SQUARE WAVE AMP
X107 V-PULSE AMP 2SC454©
IC101 HD7473 FLIP FLOP
X101, X102, X103 2SC1514VC CHROMA OUT
SY-3030A CRT SOCKET
510NSB22(Y)(E) or 510NHB22(E)
D01 PAL INDICATOR SLP233B
D02 SECAM INDICATOR SLP133B

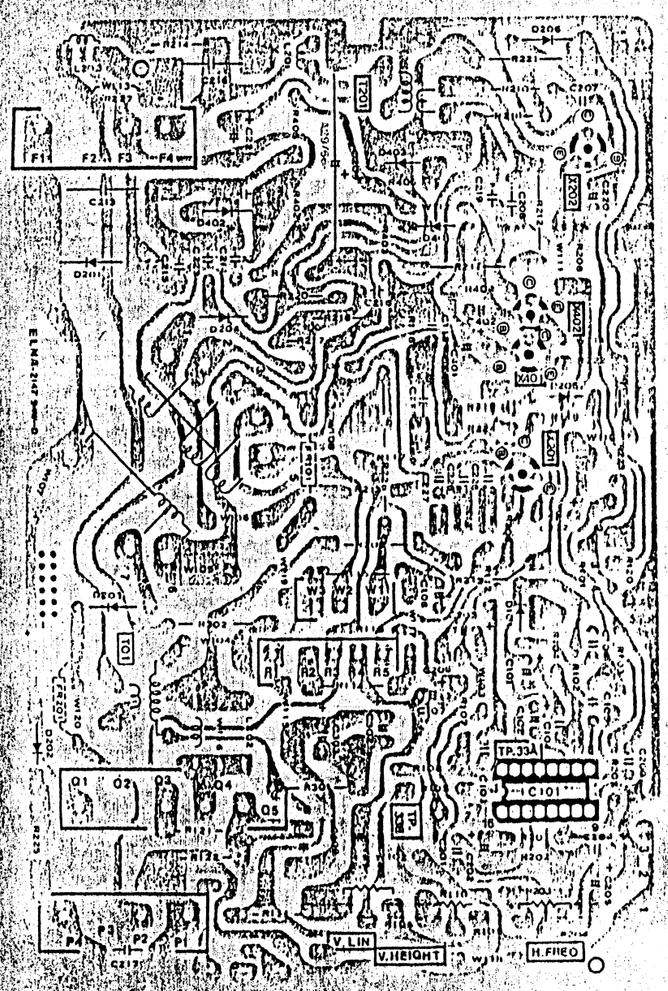
PROGRAM SELECTOR SCHEMATIC DIAGRAM

NOTE Voltage shows the case of CHANNEL "2" position.



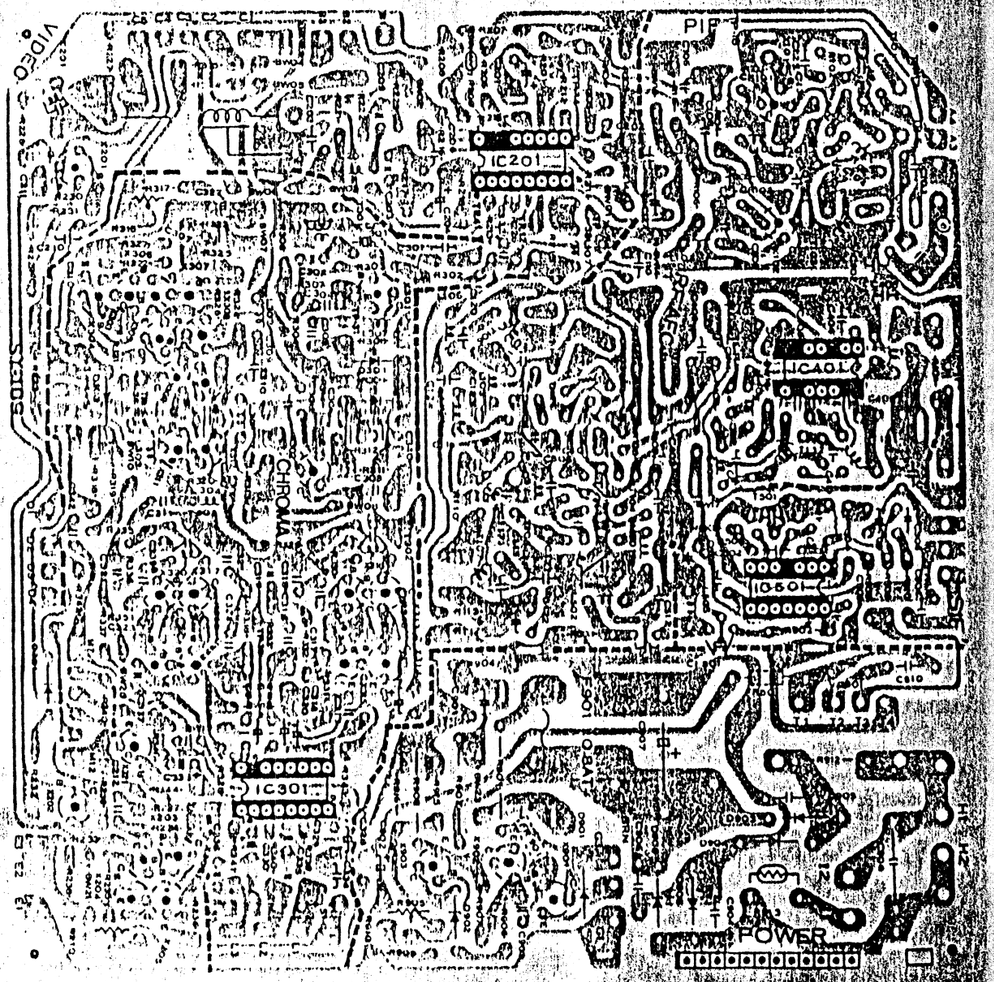
A B C D E F G H I

FRONT



SY-2095A DEFLECTION PCB ASS'Y

FRONT



SY-1093A SIGNAL & POWER PCB ASS'Y